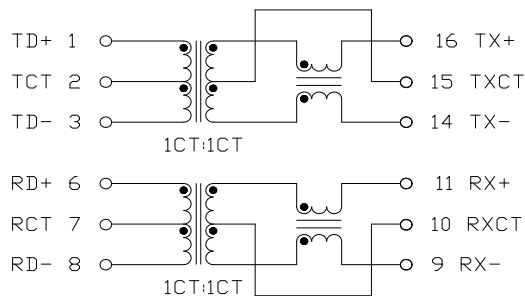
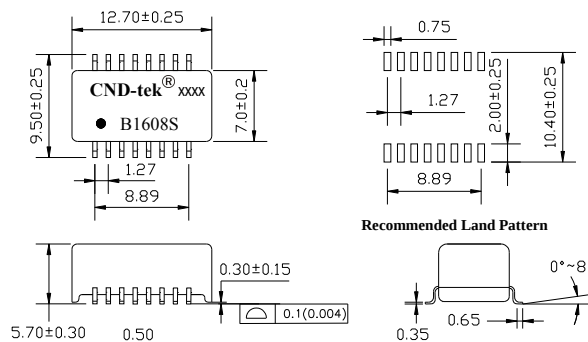


1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3at standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
5. Suitable For End-span and Mid-span POE+ Applications 720mA Current Capadility Per POE Port
6. Operating Temperature range:  $-40^{\circ}\text{C}$  TO  $+85^{\circ}\text{C}$
7. Storage temperature range:  $-40^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$



## DIMENSIONS & SCHEMATICS

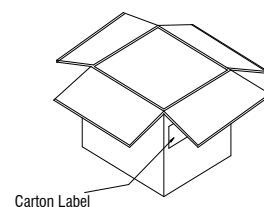
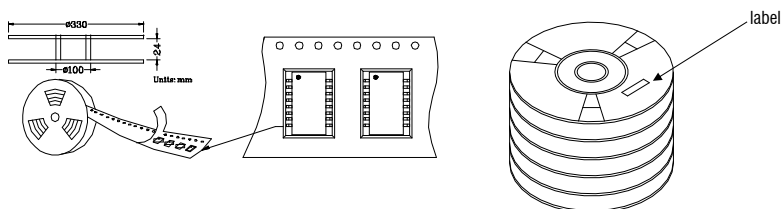


**Note:** 1. Dimension: mm, 2. Unless otherwise specified, tolerances are:  $\pm 0.15\text{mm}$

## TECHNICAL SPECIFICATIONS

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| OCL :                     | 350 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias                   |
| Leakage                   | 0.5 $\mu\text{H}$ Max. @ 100KHz, 0.1V                                      |
| Inductance: Cw/w:         | 28pF Max. @ 100KHz, 0.1V                                                   |
| DCR:                      | 1.20 $\Omega$ Max.                                                         |
| Turns Ratio( $\pm 5\%$ ): | 1CT:1CT(TX), 1CT:1CT(RX)                                                   |
| Polarity:                 | 1-16, 6-11 In-Phase                                                        |
| Insertion Loss:           | -1.1 dB Max. @ 1-100MHz                                                    |
| Return Loss:              | -16dB Min. @ 1-30MHz<br>-12 dB Min. @ 30-60 MHz<br>-10 dB Min. @ 60-80 MHz |
| Cross Talk:               | -42 dB Min. @ 1-60 MHz<br>-35 dB Min. @ 60-100 MHz                         |
| Common Mode Rejection :   | -42 dB Min. @ 1-30 MHz<br>-35 dB Min. @ 60 MHz<br>-30 dB Min. @ 80-100 MHz |
| Isolation HI-POT:         | 1500Vrms 1mA 1Second                                                       |

## PACKING SPECIFICATION



1. units/reel: 600PCS
2. reel/carton: 7PCS
3. units/carton : 4200PCS

EXPORT CARTON: 367(L)x337(W)x235(H)